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JPW 3732 #

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APPLICANTS: Dr. Robert J. Sicurelli Jr. & Dr. Samuel Masyr
SERIAL NO.: 09/990,932
FILED: November 21, 2001
EXAMINER: John J. Wilson
GROUP ART UNIT: 3732
TITLE: FLEXIBLE POST IN A DENTAL POST AND CORE SYSTEM

Dear Sir:

Enclosed please find Information Disclosure Statement form
PTO 1449 together with copies of references.

The references listed with double asterisk(**) are not in
applicants' possession and will be supplied upon receipt.

Please deduct fee of \$180.00 for submission of the
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Respectfully submitted,

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PAT27

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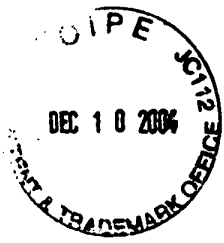


U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Applicant : Robert J. Sicurelli Jr. and Samuel Masyr
Ser. No. : 09/990,932
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<u>Examiner</u> <u>Initial</u>	<u>Document</u> <u>Number</u>	<u>U.S. PATENT DOCUMENTS*</u>			<u>Class</u> <u>Sub Class</u>	<u>Filing</u> <u>Date</u>
		<u>Date</u>	<u>Name</u>			
	622,670	Apr., 1899	Dwight			433/221.
	637,303	Nov., 1899	Tait			
	636,568	Nov., 1899	Seeley			433/221
	720,394	Feb., 1903	Arndt			
	732,922	Jul., 1903	Clark			433/221
	822,582	Jun., 1906	Carmichael			433/220.
	1,218,289	Mar., 1917	Maker			433/220
	1,463,963	Aug., 1923	Miller			
	2,793,436	May, 1957	Gotlib			
	3,675,327	Jul., 1972	Huget, et al		32/6	
	3,753,434	Aug., 1973	Pike, et al			128/2.1Z
	3,899,830	Aug., 1975	Malmin		32/15	
	3,949,476	Apr., 1976	Kahn			32/12.
	3,992,725	Nov., 1976	Homsy			428/408
	4,056,591	Nov., 1977	Goettler, et al		264/108	
	4,107,845	Aug., 1978	Lee		32/15	
	4,142,293	March, 1979	Tieche		32/15	
	4,172,867	Oct., 1979	Devault			264/16.
	4,312,917	Jan., 1982	Hawley			428/375
	4,321,042	Mar., 1982	Scheicher			433/201
	4,381,918	May, 1983	Ehrnford			433/199



4,393,020	Jul., 1983	Li, et al	264/108
4,427,383	Jan. 1984	Goldman	433/220
4,439,387	Mar., 1984	Hawley	264/108
4,490,116	Dec., 1984	Deutsch, et al	433/215
4,525,147	Jun., 1985	Pitz, et al	433/224
4,536,158	Aug., 1985	Bruins, et al	433/201.1
4,604,097	Aug., 1986	Graves, et al	623/11
4,622,012	Nov., 1986	Smoler	433/221.
4,631,030	Dec., 1986	von Weissenfluh	433/149
4,645,457	Feb., 1987	Goldman	433/220.
4,681,544	Jul., 1987	Anthony	433/215
4,684,555	Aug., 1987	Neumeyer	428/36.
4,696,646	Sep., 1987	Maitland	433/149.
4,717,341	Jan., 1988	Goldberg, et al	433/9
4,718,910	Jan., 1988	Draenert	623/16
4,726,770	Feb., 1988	Kurer	433/229.
4,738,616	Apr., 1988	Reynaud	433/220.
4,759,714	Jul., 1988	Szeguary	433/221.
4,778,388	Oct., 1988	Yuda	433/221.
4,778,389	Oct., 1988	Salvo	433/221.
4,894,012	Jan., 1990	Goldberg et al	433/215.
4,906,420	Mar., 1990	Branjnovic, et al	264/17
4,934,936	Jun., 1990	Miller	433/220.
4,936,776	Jun., 1990	Kwiakowski	433/220.
4,952,150	Aug., 1990	Schiwiora	433/220.
4,990,090	Feb., 1991	Roane	433/220.
5,007,837	Apr., 1991	Werly	433/226.
5,030,093	Jul., 1991	Mitnick	433/164.
5,073,112	Dec., 1991	Weil	433/221.
5,074,792	Dec., 1991	Bernadat	433/220.
5,088,927	Feb., 1992	Lee	433/224.
5,092,773	Mar., 1992	Levy	433/224.
5,098,304	Mar., 1992	Scharf	433/215.
5,116,227	May, 1992	Levy	433/216.
5,145,373	Sep., 1992	Roane	433/221.



5,165,893	Nov., 1992	Thompson	433/224.
5,266,609	Nov., 1993	Hall, et al	523/116
5,282,747	Feb., 1994	Nordin	433/221.
5,284,443*	Feb., 1994	Weil	433/224.

*including Interference No. 103,703 Digest with US Patent No. 5,326,263 of Weissman

5,320,530	Jun., 1994	Fong	433/119.
5,326,263*	Jul., 1994	Weissman	433/224.

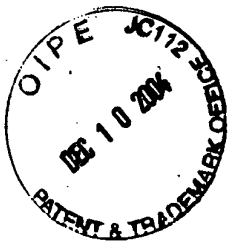
*including Interference Digest No. 103,703 Digest with US Patent No. 5,284,443 of Weil

5,326,264	Jul., 1994	Al Kasem	433/224.
5,328,372	Jul., 1994	Reynaud et al.	433/220.
5,564,929	Oct., 1994	Alpert	433/220.
5,407,973	Apr., 1995	Hasegawa	523/116.
5,425,640	Jun., 1995	Scharf	433/215
5,518,399	May., 1996	Sicurelli, et al	433/220.
5,741,139	Apr., 1998	Sicurelli, et al	433/220
5,798,162	Aug., 1998	Bank	428/76
5,890,904	Apr., 1999	Reynaud et al	433/220.
5,915,970	Jun., 1999	Sicurelli, et al	433/220
5,919,044	Jul., 1999	Sicurelli, et al	433/220
5,921,775	Jul., 1999	Buchanan	433/102
5,964,592	Oct., 1999	Hites, et al	433/221
6,012,924	Jan., 2000	Reynaud, et al	433/220
6,039,569	Mar., 2000	Prasad, et al	433/180
6,106,283	Aug., 2000	Roffe, et al	433/32
6,126,445	Oct., 2000	Willoughby	433/223
6,132,215	Oct., 2000	Prasad, et al	433/220
6,168,432	Jan., 2001	Marlin	433/81
6,254,389	Jul., 2001	Seghatol	433/215
6,270,343	Aug., 2001	Martin	433/32
6,433,037	Aug. 13, 2002	Guzauskas	522/71
6,447,297	Sep., 2002	Lopez, et al	433/224



FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class Sub Translation- (drawings only)
745543	-	Germany	
1541209	Jul., 1969	Germany	NO
1302022	Jan., 1973	United Kingdom	YES
2728494	Jan., 1979	Germany	A61N 1/20 NO
900844	Jan., 1982	USSR	NO
2491326	Apr., 1982	France	A61C8/00 NO
0076086	Sep., 1982	EPO	YES
3411366	Oct., 1985	Germany	YES (Abstract only)
1277950	Dec., 1986	USSR	Front page only YES
2587197	Mar., 1987	France	Front page only NO
8515527	Apr., 1987	France	YES
2588181	Apr., 1987	France	A61C 13/087 YES
3643219 A1	Jun., 1988	Germany	YES (Abstract only)
2626167	Jan., 1989	France	NO
1457914	Mar., 1989	USSR	YES (Abstract only)
1519684	Nov., 1989	USSR	YES (Abstract only)
2214087	Jan., 1989	United Kingdom	YES
3825601	Mar., 1989	Germany	YES
3839466	Mar., 1989	Germany	YES (Abstract only)
3901640	Aug., 1989	Germany	NO
669514	Mar., 1989	Switzerland	NO
2645431	Oct., 1990	France	NO
WO 91/07142	May, 1991	WIPO	Front page only NO



III OTHER REFERENCES**

(Including Author, Title, Date, Pertinent Pages, Etc.)

Abou-Rass, M., Post and Core restoration of endodontically treated teeth, Current Science, Pages 99-107. (1992)

Asmussen, Erik, Stiffness, elastic limit, and strength of newer types of endodontic posts, Journal of Dentistry, Volume 27, Issue 4, May 1999, Abstract only.

Blitz, N., Adaptation Of A Fiber-Reinforced Restorative System To The Rehabilitation Of Endodontically Treated Teeth, PPA, 10:2, Pages 191-193.

**Bugugnai R., Actualités Odonto-stomatologiques N° 150 1985.

Cailleteau, J.G.; Rieger, M.R.; Akin, J.E., A comparison of Intra canal stresses in a post-restored tooth utilizing the Finite Element Method, Journal of Endodontics, 18:11, 540-544. (1992)

Carranza D.O.; Fermin, Glickman's Clinical Periodontology, WB Saunders Company, Fifth edition, index pages for Protheses , Restorations, and Appliances, 3 pages

**CAVALLI, BERTANI, GENERALI, Il restauro preprotesico e protesico del dente trattato endodonticamente, Dental Cadmos, 11/98.

Charbancao, et al., Principles and Practice of Operative Dentistry 2d ed., Chap. 16, Lea & Febiger. (1981)

**CHRISTENSEN, Posts and Cores, State of the Art, JADA VOL 129, January 1998.



Cohen, B.I.; Muskat, S.L. and Deutsch, A.S., Comparison of retentive properties of four post systems, Journal of Prosthetic Dentistry, Vol. No. 68.2, 1992, Pages 264-268. (1992)

"C-Post" Brochure, Bisco Company, Itasca, Illinois, undated.

**CRA, Posts strength, Tests: results and conclusions. 1998.

**CRA, Esthetic posts, NEWSLETTER, May 2004 Issue.

**CREUGERS N., Nijmegen University, The applicability of two non metal posts for post and core restoration, 1998.

Denlok Brochure, Denlok, Inc., Arcardia, Calif. May 1984, 5 pages.

Dietschi, D.; Romelli, M. and Goretti, A., Adaptation of Adhesive Posts and Cores to Dentin After Fatigue Testing, 10:6, Pages 498-507. (1997)

Duret, B., Reynaud, M. and Duret, F., A new concept in Crown-root Reconstruction - The Composipost, Restorative Odontology, Le Chirorgien-Dentiste De France 540:22, 1-16; 131-141.

Pentron Clinical Technologies, Endodontic Obturation System, Dental Products Report Advertisement, (Oct. 2001), 1 Page.

Finger, Ahlstrand, Fritz, Evaluation of the Radiopacity of Fiber-reinforced Resin Posts, American Journal of Dentistry, Vol. 15, No. 2, April 2002, 1 page.

"Flexi-Post & Flexi-Flange" Advertisement, Essential Dental Systems, 89 Launing Street, S. Hackensack, NJ 07606 undated, 1 page.

Fredriksson, M.; Astback, J.; Pamenius, M. and Arvidson, K., A retrospective study of 236 patients with teeth restored by carbon fiber-reinforced epoxy resin posts, Journal of Prosthetic Dentistry, 80:2, Pages 151-157. (1998)



Freedman, G., The Carbon Fibre Post: Metal-Free, Post-Endodontic Rehabilitation, Oral Health, Feb., Pages 23-30. (1996)

**GAY D., "Matériaux composites", 4ème édition, HERMES, Paris, 1997.

Gelfand, M. and Smith, D.C., Retention of Three Post and Core Systems, Scientific Journal, 55:4, Pages 309-312. (1989)

Graber, Orthodontics, Principles and Practice, W.B. Saunders Company, Subject index only, 6 pages. (1972)

Grave, AMH; Chandler, H.D.; Wolfaardt, J.F., Denture base acrylic reinforced with high modulus fibre. Dent. Mater., 1:185-187. (1985)

Hornbrook, D.S. and Hastings, J.H. Use of Bondable Reinforcement Fiber For Post and Core Build-Up In An Endodontically Treated Tooth: Maximizing Strength and Aesthetics, PP&A, 7:5, Pages 33-42.

Isidor, F.; Odman, P. and Brendum, K., Intermittent Loading of Teeth Restored Using Prefabricated Carbon Fiber Posts, International Journal of Prosthodontics, Vol. 9, No. 2, Pages 131-136. (1992)

Jeneric/Pentron Post Advertisement "Now This Is a Post", 1 page. (1998)

Judes, H.; Gordon, M.; Kunser, W., Composite Resin Retained Post and Core, N.Y.J.D. Vol 53, No. 5, Pages 205-208. (1983)

Karna, J.C., A fiber composite laminate endodontic post and core, American Journal of Dentistry, 9:5, Pages 230-232. (1996)

**KAW A.K., Mechanics of composite Materials, CRC Press, New York, 1997

King, P.A.; Setchell, D.J.; An In Vitro evaluation of a prototype CFRC prefabricated post developed for restoration of pulpless teeth. Journal Oral Rehabilitation, 17:599-609. (1990)

Liu, H.H. and Sidhu, S.K. Cracked Teeth - treatment rationale and case management: Case Reports, Quintessence International, 26:7, Pages 485-492. (1995)

Love, R.M. and Purton, D.G., The Effect of Serrations on Carbon Fibre Posts - Retention Within the Root Canal, Core Retention, and Post Rigidity, International Journal of Prosthodontics, 9:5, Pages 484-488. (1996)

McDonald, A.V.; King, P.A.; Setchell, D.J.; An In Vitro study to compare impact fracture resistance of intact root-treated teeth. International Endodontic Journal, 23:304-312. (1990)

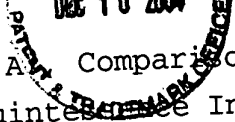
Nash, R.W., The Use of Posts for Endodontically Treated Teeth, Compendium, 19:10, 1054,1056,1060,1062. (1998)

PDR Medical Dictionary, 26th ed., Medical Economics, Pages 119, 1412. (1995)

Plasmans, P.J.J.M.; Welle, P.R. and Vrijhoef, M.M.A., In Vitro Resistance of Composite Resin Dowel and Cores, Journal of Endodontics, 14:1, Pages 300-304. (1988)

Polymicro Technologies Brochure for Kynar Resins, Polymicro Technologies, Inc. (1996)

Purton, D.G. and Love, R.M., Rigidity and Retention of carbon fibre versus stainless steel root canal posts, International Endodontic Journal, Vol. 29, Pages 262-265. (1996)



Purton, D.G. and Payne, J.A., Comparison of carbon fiber and stainless steel root canal posts, Quintessence International 27:2, Pages 93-97. (1996)

**REYNE M., "Technologie des composites", 3ème édition, HERMES, Paris, 1998.

Rovatti, L.; Mason, P.A. and Dallari, E.A., Nuove ricerche sui perni endocanalari in fibra di carbonio, Minerva Stomatologia, 43:12, Pages 557-563. (1994)

Sidoli, G.E.; King, P.A. and Setchell, D.J., An Invitro evaluation of a carbon fiber-based post and core system, Journal of Prosthetic Dentistry, 78:1, Pages 5-9. (1997)

Standlee, J.P. and Caputo, A.A., Endodontic dowel retention with resinous cements, Journal of Prosthetic Dentistry, 68:6, Pages 913-917. (1992)

**TIMOSHENKO, "Résistance des matériaux", Tome 1, édition DUNOD.

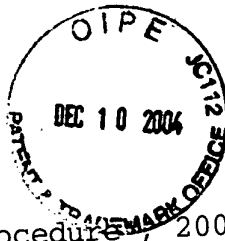
Torbjomer, A.; Karlsson, S.; Syverud, M. and Hensten-Pettersen, A., Carbon Fiber Reinforced root canal posts, mechanical and cytotoxic properties, European Journal of Oral Sciences, Vol. 104, Pages 605-611. (1996)

Tylman, Crown and Bridge Prosthesis, Chap 62, Pages 871-886.

Vermilyea, S.G.; Gardner, F.M. and Moergeli, J.R., Composite Dowels and Cores: Effect of Moisture on the fit of cast restorations, Journal of Prosthetic Dentistry, Vol. 58, Pages 429-431. (1987)

Von Krammer, R., Anchored Core for the Rehabilitation of posterior teeth, Journal of Prosthetic Dentistry, 55:1, Pages 38-42. (1986)

Snowpost website "All About Snowpost", 2004, 6 page website



Snowpost website, "Clinical Procedure", 2004, 4 page website

Snowpost website, "Documentation", 2004, 3 page website

Snowpost website, "Carbopost", 2004, 4 page website

**ZWEBEN C., Mechanical properties of Composite Materials, Delaware Composite Design Encyclopedia, Vol. 1, Technomic Publishing, Lancaster, 1992.

**Not in applicants' possession; To be supplied when available to applicants.

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